

Sherwin-Williams Site Cleanup

Emeryville, California

Aug 31, 2011

1450 Sherwin Avenue, Emeryville, CA

This is a weekly summary of site activities and perimeter air monitoring starting for the week of August 22 and going through August 26, 2011. Following is a brief overview of site activities occurring during this period and a discussion of air monitoring results compared to site action levels. Charts and figures are attached which show running averages for Respirable Particulate Matter of 10 micrometers or less (RPM10) running averages; Total Volatile Organic Compounds (TVOC) running averages; and wind speed and direction.

Site Activities

Site activities include:

- Dust and vapor controls (water, odex misters, T-200 and Hydroseal);
- Completion of installation of shoring wall tie-backs;
- Excavation and stockpiling of soil and debris (asphalt, concrete) in the fifth (to elev. +2) and sixth (to elev. -2) excavation layers (saturated zone material beneath the raised cap) and on the Rifkin property.
- Stockpiling and loading into railcars of RCRA, regulated waste for transport to USE in Grandview Idaho;
- Stockpiling and loading into railcars of California regulated hazardous waste for transport to ECDC landfill in East Carbon, Utah;
- Mixing of Zorbix, a dewatering agent into, stockpiles with saturated zone materials for stabilization and runoff water control;
- Operation of the excavation dewatering system;
- Sampling of stockpiled material occurred during the week;

Air Monitoring and Sampling

- Daily calculation of misting delta during morning and afternoon, setting of daily action levels based on background conditions and material being excavated;
- Daily calibration of seven Air Monitoring Station (AMS) locations; and
- Daily perimeter air monitoring at seven AMS locations for RPM10 and TVOCs.
- Perimeter air sampling and analysis for VOCs, As and Pb occurred on August 22. Lab results indicate all levels were below their respective 4 hr and 24 hr standard.

Perimeter air monitoring occurred continuously through the week.



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No exceedances of air quality standards occurred during the week. Aerosol particles less than 10 micrometers from the perimeter mister lines are being measured in the dust monitors at the site perimeter. To account for the influence of the misters on the RPM10 levels, a delta value was added to the action level of Air Monitoring Station (AMS) #3 and the station directly downwind to AMS#3. This approach has been validated by air sample collection and analysis. Subsequent 4 hour rolling averages for RPM10 have been below the action levels at all AMSs. Running averages for TVOC and RPM10 since the start of the project continue to be below their respective action levels at all AMSs.

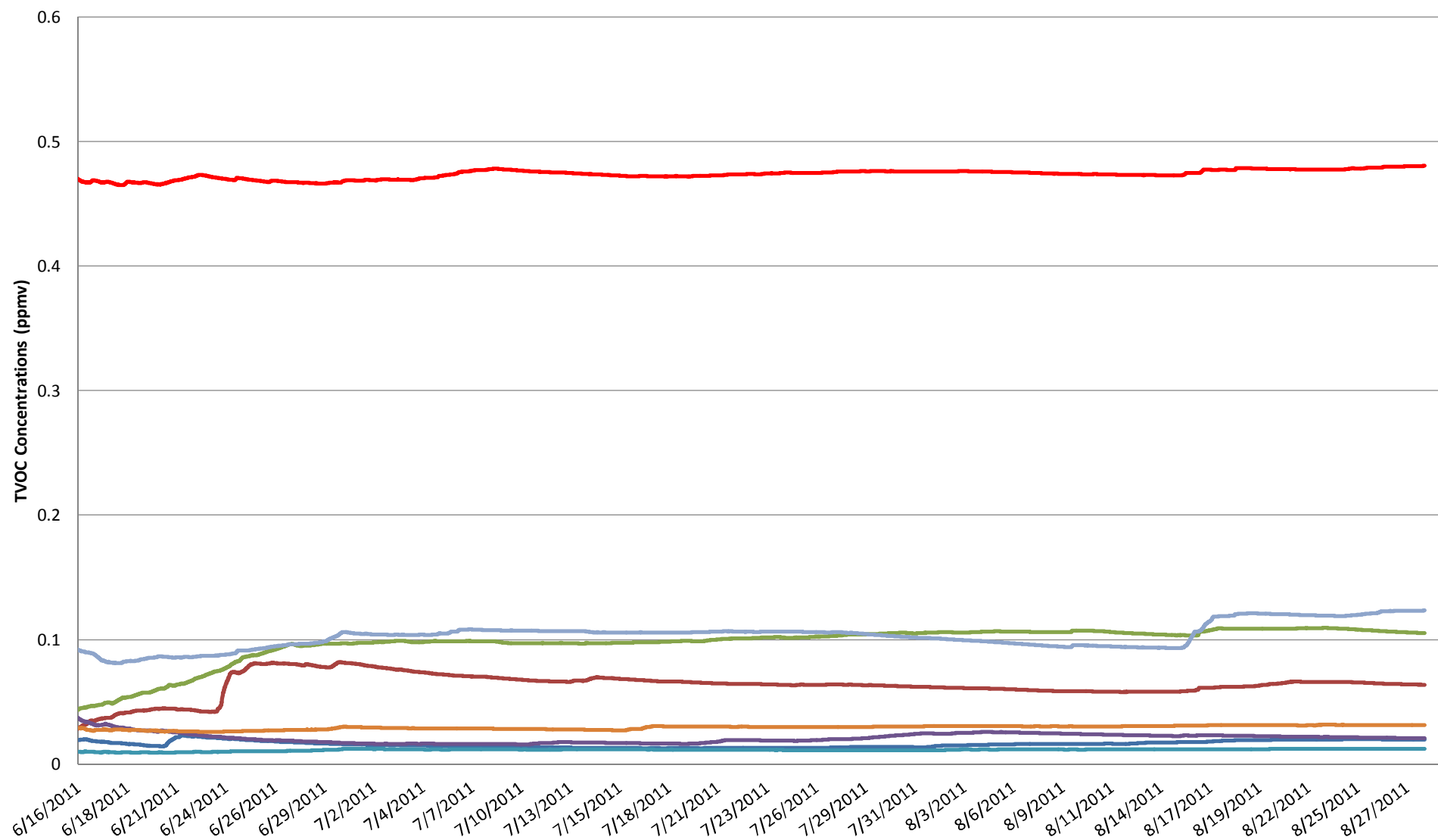
If you have any questions please feel free to contact us via the 24-hour toll-free Community Hotline (866)848-5307.

Camp Dresser & McKee Inc.

TVOC Running Average Since 06/16/11

Station 1 Station 2 Station 3 Station 4 Station 5 Station 6 Station 7 Subchronic Action Level

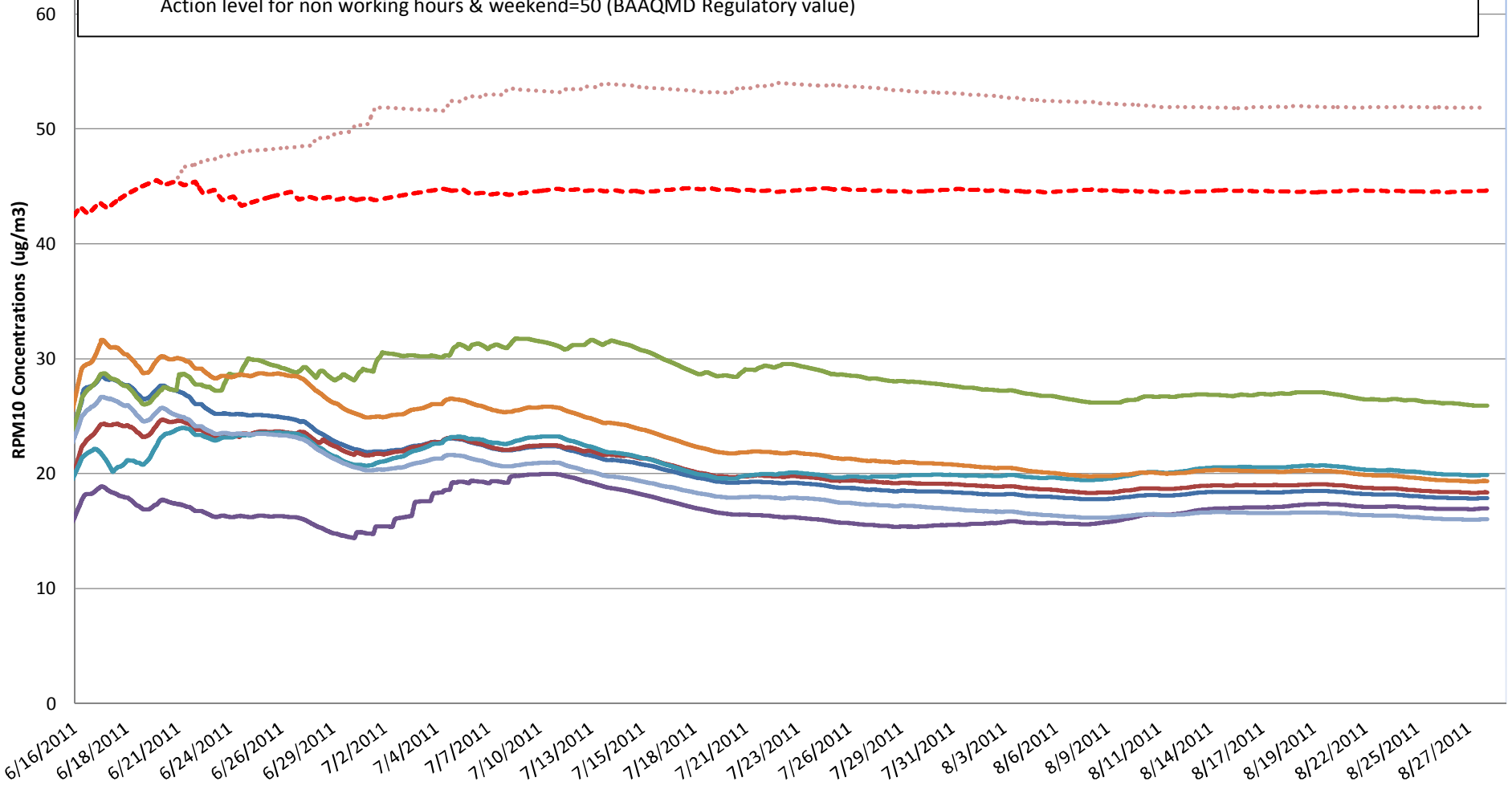
Note: Subchronic Action level=Background from upwind stations+subchronic performance standard(0.437)



RPM10 Running Average Since 06/16/11



Note: 08/24/11 Subchronic Action Level during working hours 7:30-17:30=Background from upwind stations+Subchronic Action level for Saturated Zone(17)
 +Mister effects(today's values:7:30AM-12:30PM:29 12:30PM-5:30PM:11)
 Action level for non working hours & weekend=50 (BAAQMD Regulatory value)





Environmental, Inc.

DAILY REPORT

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PROJECT NAME

SCA PRJ #

Zone:

Inspected by: JY

Reviewed by: CS

Sherwin-Williams, Emeryville, CA

B10036

Activities:

Date:

Mon 8/22/11

Sent to:

SCA
CDM
CDM

Name

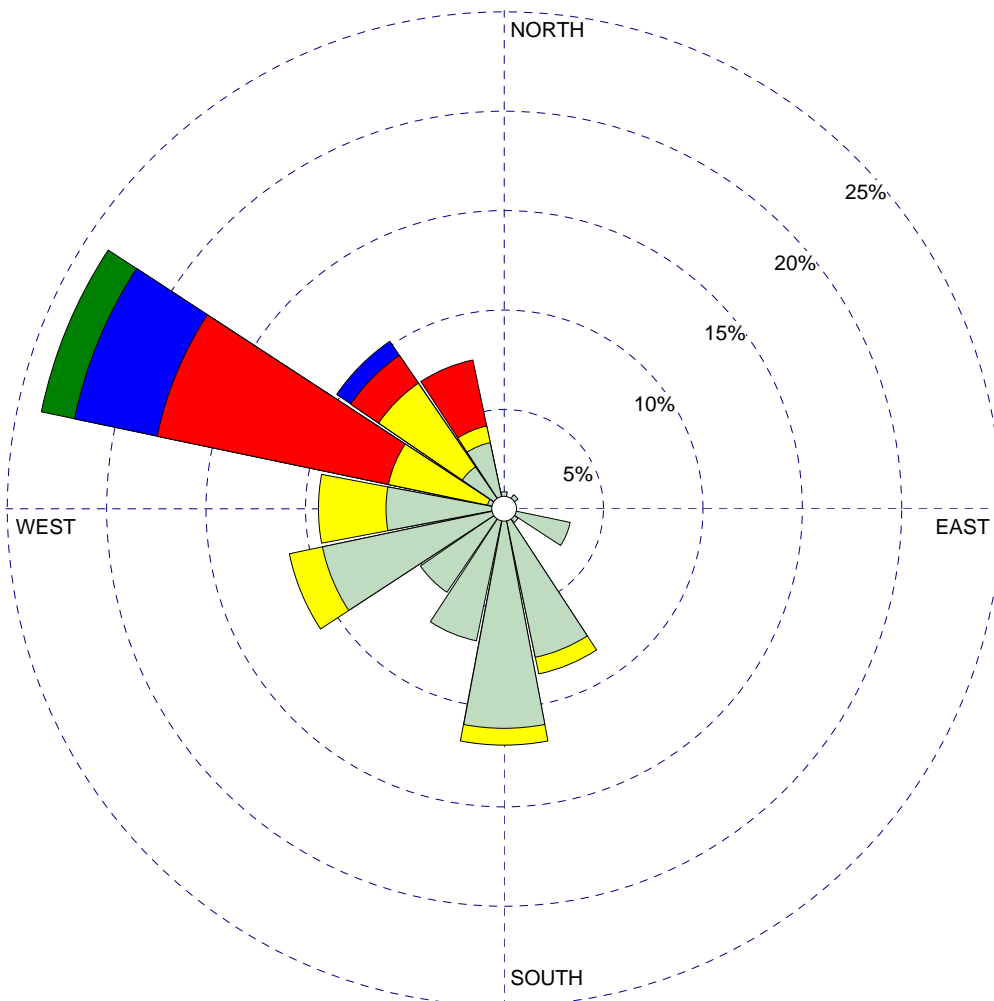
Chuck Siu
D Cline
P.Sharma

Daily Results (*metal samples are 5hrs, 5hrs, no night time metal samples)	Station 2	Station 3	Station 5	Standards (acute)
Arsenic(respirable) AM $\mu\text{g}/\text{m}^3$ (5hr samples)	<0.008	0.009	0.030	N/A
Arsenic(respirable) PM $\mu\text{g}/\text{m}^3$ (5hr samples)	<0.008	0.029	0.050	N/A
Arsenic(respirable) nite $\mu\text{g}/\text{m}^3$	<0.003	<0.003	<0.003	N/A
Lead(respirable) AM $\mu\text{g}/\text{m}^3$	<0.041	<0.040	<0.042	N/A
Lead(respirable) PM $\mu\text{g}/\text{m}^3$	0.050	0.055	<0.042	N/A
Lead(respirable) nite $\mu\text{g}/\text{m}^3$	<0.015	<0.015	<0.015	N/A
Benzene $\mu\text{g}/\text{m}^3$	0.41	0.67	0.35	29
MEK $\mu\text{g}/\text{m}^3$	<30	<30	<30	45331
1,2-dichloroethane $\mu\text{g}/\text{m}^3$	<0.03	<0.03	<0.03	9986
ethylbenzene $\mu\text{g}/\text{m}^3$	0.75	4.6	1	737
tetrachlorethene $\mu\text{g}/\text{m}^3$	<0.17	<0.17	<0.17	1358
toluene $\mu\text{g}/\text{m}^3$	6.4	73.0	7.1	603
trichloroethene $\mu\text{g}/\text{m}^3$	<0.55	<0.55	<0.55	7309
1,2,4-trimethylbenzene $\mu\text{g}/\text{m}^3$	0.59	3.1	0.66	11798
1,3,5-trimethylbenzene $\mu\text{g}/\text{m}^3$	<0.5	<0.5	<0.5	11798
vinyl chloride $\mu\text{g}/\text{m}^3$	<0.01	<0.01	<0.01	647
xylene $\mu\text{g}/\text{m}^3$	<13	21	<13	1302
Converted 5hr Arsenic Sample results to 4hr results, 24hrTWA results for Arsenic & 24TWA results for Lead(*if AM, PM & Nite samples are all non detected for the same station, use the highest detection limit value as the TWA for that station. If there is detection, calculate using the detection value & detection limit values				Acute Standard
Arsenic(respirable) AM $\mu\text{g}/\text{m}^3$	<0.008	0.011	0.038	0.20
Arsenic(respirable) PM $\mu\text{g}/\text{m}^3$	<0.008	0.036	0.063	0.20
Arsenic 24HR TWA $\mu\text{g}/\text{m}^3$	<0.008	<0.010	<0.018	N/A
Lead 24HR TWA $\mu\text{g}/\text{m}^3$	<0.026	<0.030	<0.042	N/A

WIND ROSE PLOT:

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:

DATA PERIOD:

Start Date: 8/22/2011 - 00:00
End Date: 8/26/2011 - 23:00

COMPANY NAME:

MODELER:

CALM WINDS:

0.00%

TOTAL COUNT:

118 hrs.

AVG. WIND SPEED:

1.43 m/s

DATE:

8/29/2011

PROJECT NO.: